Safety Data Sheet

1. Identification of Substance/ Identification of Company

Product: Fmoc-(S)-2-(2-propenyl)alanine
Catalog #: UFA120
Chemical Formula: $C_{21}H_{21}NO_4$
Synonyms: Fmoc-(S)-2-(2-propenyl)alanine

Supplier: AAPPTec, LLC
6309 Shepherdsville Road
Louisville, Kentucky USA
40228
Telephone: 502-968-2223
Fax: 502-968-3338

2. Composition/ information on ingredients

Substance/preparation: Substance
Chemical Name: Fmoc-(S)-2-(2-propenyl)alanine
CAS #: [288617-71-0]
EC #: Not available

3. Hazards Identification

OSHA Hazards: No known OSHA hazards
Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion: May be harmful if swallowed.
Skin Contact: May be harmful is absorbed through skin. May cause skin irritation.
Eye contact: May cause eye irritation

4. First Aid Measures

First Aid Measures

Inhalation: If inhaled, move person to fresh air. If not breathing, give artificial respiration.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.
Skin Contact: Wash off with soap and plenty of water.

Eye Contact: Check for and remove any contact lenses. Flush eyes with water as a precaution.

Effects and Symptoms

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin Contact: May be harmful is absorbed through skin. May cause skin irritation.

Eye contact: May cause eye irritation

Aggravating conditions: Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting Measures

Flammability of Product: No data available

Extinguishing Media (Small Fire): Use a carbon dioxide or dry chemical extinguisher.

Extinguishing Media (Large Fire): Use water spray, fog, or foam. Do not use water jet.

Hazardous thermal decomposition products: Oxides of carbon (CO, CO_2) and nitrogen (NO, NO_2, …).

Special fire-fighting procedures: Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters: Use an approved/certified respirator or equivalent.

6. Accidental Release Measures

Personal Precautions: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist before handling this product.

Small Spill or Leak: Use appropriate tools to put spilled material into a convenient waste disposal container.

Large Spill or Leak: Use a shovel to put the spilled material into a convenient waste disposal container.

7. Handling and Storage

Handing: Keep away from heat. Keep away from sources of ignition. Do not breath dust.

Storage: Keep container tightly closed. Store in a dry, well-ventilated place.

8. Exposure Controls/Personal Protection

Engineering Measures: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume, or mist use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene Measures: Wash hands after handling and before eating, smoking, using lavatory, and end of the day.

Exposure Limits

Ingredient Name: Fmoc-(S)-2-(2-propenyl)alanine
Occupational Exposure Limit: No data available

Personal Protective Equipment

Skin and Body: Lab coat
Hands: Gloves
Eyes: Safety glasses

9. Physical and Chemical Properties

Physical State: Solid
Color: White
Molecular Weight: 351.4
Melting Point: No data available
Flash Point: No data available
Explosive Properties

Risk of explosion by mechanical impact: No data available
Risk of explosion by static discharge: No data available

Solubility: No data available

10. Stability and Reactivity

Stability: Stable under recommended storage conditions.
Conditions to Avoid: Strong oxidizing reagents
Hazardous Decomposition Products: Oxides of carbon (CO, CO_2) and nitrogen (NO, NO_2, …).

11. Toxicological Information

RTECS #: Not available
Local Effects

Skin irritation: No data available

Acute Toxicity: No data available

Chronic Toxicity: No data available
Other Toxic Effects on Humans: No data available
Carcinogenic Effects: No data available
Mutagenic Effects: No data available
Reproductive Toxicity: No data available
Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion: May be harmful if swallowed.
Skin Contact: May be harmful is absorbed through skin. May cause skin irritation.
Eye contact: May cause eye irritation

12. Ecological Information

Ecotoxicity: No data available
Toxicity of the Products of Biodegradation: This product itself and its degradation products are not toxic.

13. Disposal Considerations

Methods of Disposal,
Waste Residues,
Contaminated Packaging: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transportation

International Transport Regulations
DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Special Provisions for Transport: Not applicable

15. Regulatory Information

U.S. Federal Regulations

OSHA Hazards: No known OSHA hazards
SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313
SARA 311/312 Hazards: No SARA hazards

State Regulations:

Massachusetts Right To Know Components: No components listed.

Pennsylvania Right To Know Components:
Fmoc-(S)-2-(2-propenyl)alanine
CAS No: [288617-71-0]
Revision Date:

New Jersey Right To Know Components:
Fmoc-(S)-2-(2-propenyl)alanine
CAS No: [288617-71-0]
Revision Date:

California Prop. 65 Components:
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

DSL Status:

This product contains the following components that are not on the Canadian DSL nor NDSL lists.
Fmoc-(S)-2-(2-propenyl)alanine
CAS No: [288617-71-0]

16. Other Information

Hazardous Material Information System (U.S.A.)

Health	**0**
Fire Hazard	**0**
Reactivity	**0**
Personal Protection	

National Fire Protection Association (U.S.A.)

Notice to Reader

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